

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|--------|--|---|------------------|---------|------------------|
| L1 | 27 | (((wafer substrate) with (boat carrier support holder)) with (gas near3 (pipe\$2 tub\$3 conduit\$2)) with (internal\$3 inside within)).clm. | US-PGPUB; USPAT | OR | ON | 2007/02/02 16:13 |
| L2 | 33 | ("3637434" "4123316" "4225222" "4298443").PN. OR ("4422407").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/02 15:46 |
| L3 | 622 | 414/935.ccls. | US-PGPUB; USPAT | OR | ON | 2007/02/02 16:13 |
| L4 | 101693 | 3 (gas near3 (tube pipe)) | US-PGPUB; USPAT | OR | ON | 2007/02/02 16:14 |
| L5 | 37 | 3 and (gas near3 (tube pipe)) | US-PGPUB; USPAT | OR | ON | 2007/02/02 16:14 |
| S1 | 2 | "6602346".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/02 14:37 |
| S2 | 2 | U5-579,269 U5-3,618,919 U5-3,620,934 U5-3,630,881 U5-3,630,769 U5-3,634,212 U5-4,018,949 U5-4,242,182 U5-4,269,625 U5-4,289,061 U5-4,397,753 "6602346".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/11 13:07 |
| S3 | 180 | "579,269" "3,618,919" "3,620,934" "3,630,881" "3,630,769" "3,634,212" "4,018,949" "4,242,182" "4,269,625" "4,289,061" "4,397,753" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/11 13:20 |
| S4 | 34 | "579269".pn. "3618919".pn. "3620934".pn. "3630881".pn. "3630769".pn. "3634212".pn. "4018949".pn. "4242182".pn. "4269625".pn. "4289061".pn. "4397753".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/11 13:35 |
| S5 | 2 | "20050039686" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/23 12:15 |

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| S6 | 0 | ("US-4,438,724").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/10/03 09:34 |
| S7 | 4 | ("4,438,724").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/10/03 09:34 |
| S8 | 170 | ((("579,269") or ("3,618,919") or ("3,620,934") or ("3,630,881") or ("3,630,769") or ("3,634,212") or ("4,018,949") or ("4,242,182") or ("4,269,625") or ("4,289,061") or ("4,397,753") or ("4,438,724") or ("4,469,801") or ("4,545,136") or ("4,590,042") or ("4,681,777") or ("4,826,579") or ("4,948,979") or ("4,949,669") or ("4,966,646") or ("4,977,106") or ("5,076,205") or ("5,091,207") or ("5,131,752") or ("5,136,975") or ("5,172,849") or ("5,200,023") or ("5,223,113") or ("5,232,749") or ("5,248,527") or ("5,364,219") or ("5,377,429") or ("5,380,396") or ("5,409,129") or ("5,418,180") or ("5,427,666") or ("5,433,835") or ("5,445,491") or ("5,480,818") or ("5,498,292") or ("5,500,256") or ("5,522,934") or ("5,536,317") or ("5,562,800") or ("5,589,002") or ("5,592,581") or ("5,595,606") or ("5,599,513") or ("5,624,498") or ("5,626,936") or ("5,640,751") or ("5,643,394") or ("5,654,589") or ("5,693,288") or ("5,729,896") or ("5,746,434") or ("5,766,364") or ("5,769,952") or ("5,788,778") or ("5,792,700") or ("5,792,269") or ("5,820,641") or ("5,827,370") or ("5,833,888") or ("5,846,330") or ("5,846,275") or ("5,851,849") or ("5,865,417") or ("5,879,459") or ("5,895,530") or ("5,908,947") or ("5,932,286") or ("5,953,634") or ("5,956,613") or ("5,968,587") or ("5,972,430") or ("5,994,181") or ("5,997,588")).PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/10/03 09:48 |

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|----|-----|--|---|----|-----|------------------|
| S9 | 217 | ("6,008,086") or ("6,032,923") or ("6,042,652") or ("6,045,620") or ("6,059,885") or ("6,062,256") or ("6,070,551") or ("6,080,446") or ("6,079,426") or ("6,086,677") or ("6,089,543") or ("6,109,206") or ("6,123,107") or ("6,129,331") or ("6,139,700") or ("6,143,659") or ("6,143,077") or ("6,143,078") or ("6,144,060") or ("6,149,123") or ("6,160,243") or ("6,161,500") or ("6,174,366") or ("6,174,377") or ("6,174,809") or ("6,173,673") or ("6,178,660") or ("6,182,603") or ("6,192,827") or ("6,194,628") or ("6,193,802") or ("6,197,119") or ("6,200,415") or ("6,203,613") or ("6,206,972") or ("6,211,078") or ("6,211,033") or ("6,210,754") or ("6,214,714") or ("6,237,394") or ("6,237,529") or ("6,245,192") or ("6,255,222") or ("6,263,829") or ("6,270,572") or ("6,280,584") or ("6,287,980") or ("6,287,965") or ("6,291,337") or ("6,290,491") or ("6,297,539") or ("6,302,964") or ("6,302,965") or ("6,303,953") or ("6,305,314") or ("6,309,161") or ("6,315,859") or ("6,329,297") or ("6,342,277") or ("6,346,477") or ("6,347,602") or ("6,347,918") or ("6,355,561") or ("6,358,323") or ("6,374,831") or ("6,387,185") or ("6,387,207") or ("6,420,230") or ("6,419,462") or ("6,420,742") or ("6,428,859") or ("6,432,831") or ("6,432,259") or ("6,432,256") or ("6,435,865") or ("6,444,039") or ("6,450,117") or ("6,451,119") or ("6, 458,416") or ("6,461,931") or ("6, 461,436") or ("6,503,330") or ("6, 506,254") or ("6,509,280") or ("6, 534,395") or ("6,534,007") or ("6, 549,838") or ("6,541,353") or ("6, 551,929") or ("6,562,140") or ("6, 562,141") or ("6,573,184") or ("6, 579,372") or ("6,579,374") or ("6, 596,085") or ("6,602,346") or ("6, 630,201") or ("6,635,965") or ("6, 638,879") or ("6,638,672") or ("6, 641,673") or ("6,673,196") or ("6, 704,913") or ("6,706,334") or ("6, 705,345") or ("6,818,249") or ("6, 821,347") or ("6,838,114") or ("6, 861,094")) or ("6,861,094").PN. or ((2001/0010309) or (2001/0011526) or (2001/0024387) or (2001/0029892) or (2001/0045187) or (2001/0054484) or (2001/0007790) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/10/03 12:14 |
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EAST Search History

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| S10 | 327 | 156/345.33.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/03 13:12 |
| S11 | 3059 | 156/345.23.ccls. "156345""."38". ccls. 156/345.51.ccls. 118/728.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/03 13:16 |
| S12 | 199 | 156/345.23.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/03 13:29 |
| S13 | 2696 | 118/728.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/03 16:08 |
| S14 | 0 | ".3." | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/03 16:32 |
| S15 | 4020 | 118/725.ccls. 206/832.ccls. 219/444.1.ccls. 392/416.ccls. 392/418.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/03 17:46 |
| S16 | 27174 | (boat and gas) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/05 08:07 |
| S17 | 282 | S15 and S16 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/03 17:47 |
| S18 | 4112 | boat and gas | EPO; JPO; DERWENT | OR | ON | 2005/10/04 08:17 |

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|-----|--------|--|------------------------------|----|----|------------------|
| S19 | 148 | S18 and plasma | EPO; JPO; DERWENT | OR | ON | 2005/10/04 10:08 |
| S20 | 278235 | plasma | US-PGPUB; USPAT; USOCR | OR | ON | 2005/10/04 12:52 |
| S21 | 23037 | boat and gas | US-PGPUB; USPAT; USOCR | OR | ON | 2005/10/04 10:17 |
| S22 | 3208 | S20 and S21 | US-PGPUB; USPAT; USOCR | OR | ON | 2005/10/04 10:13 |
| S23 | 3208 | S21 and plasma | US-PGPUB; USPAT; USOCR | OR | ON | 2005/10/04 10:17 |
| S24 | 853 | S23 and gas near3 (supply inlet pipe conduit) | US-PGPUB; USPAT; USOCR | OR | ON | 2005/10/04 10:14 |
| S25 | 9380 | boat same gas | US-PGPUB; USPAT; USOCR | OR | ON | 2005/10/04 10:17 |
| S26 | 1140 | S25 and plasma | US-PGPUB; USPAT; USOCR | OR | ON | 2005/10/04 10:22 |
| S27 | 233 | S26 and ("118"/\$.ccls. 156/345.\$2.ccls. "204"/\$.ccls. "315"/\$.ccls.) | US-PGPUB; USPAT; USOCR | OR | ON | 2005/10/04 10:59 |
| S28 | 25 | S27 and (boat near3 gas) | US-PGPUB; USPAT; USOCR | OR | ON | 2005/10/04 11:00 |
| S29 | 23037 | boat and gas | US-PGPUB; USPAT; USOCR | OR | ON | 2005/10/04 12:53 |
| S30 | 838 | S29 and gas near1 (pipe conduit nozzle) | US-PGPUB; USPAT; USOCR | OR | ON | 2005/10/04 13:01 |
| S31 | 838 | S30 and boat | US-PGPUB; USPAT; USOCR | OR | ON | 2005/10/04 12:58 |
| S32 | 528 | S30 and (support susceptor holder chuck) | US-PGPUB; USPAT; USOCR | OR | ON | 2005/10/04 12:59 |
| S33 | 528 | S30 and (support susceptor holder chuck) | US-PGPUB; USPAT; USOCR | OR | ON | 2005/10/04 12:59 |
| S34 | 278235 | plasma | US-PGPUB; USPAT; USOCR | OR | ON | 2005/10/04 13:01 |

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| S35 | 29371 | (gas near (pipe conduit nozzle)) same (connect\$3 support\$3 carr\$3 attach\$3 join\$3) | US-PGPUB; USPAT; USOCR | OR | ON | 2005/10/04 13:14 |
| S36 | 2033 | S34 and S35 | US-PGPUB; USPAT; USOCR | OR | ON | 2005/10/04 13:04 |
| S37 | 1439 | S36 and (support susceptor holder chuck boat) | US-PGPUB; USPAT; USOCR | OR | ON | 2005/10/04 13:06 |
| S38 | 8442 | (gas near (pipe conduit nozzle)) near3 (connect\$3 support\$3 carr\$3 attach\$3 join\$3) | US-PGPUB; USPAT; USOCR | OR | ON | 2005/10/04 13:06 |
| S39 | 629 | S34 and S38 | US-PGPUB; USPAT; USOCR | OR | ON | 2005/10/04 13:06 |
| S40 | 431 | S39 and (support susceptor holder chuck boat) | US-PGPUB; USPAT; USOCR | OR | ON | 2005/10/04 15:42 |
| S41 | 23 | S39 and boat | US-PGPUB; USPAT; USOCR | OR | ON | 2005/10/04 13:10 |
| S42 | 99 | (gas near (pipe conduit nozzle)) near1 (boat support holder susceptor) | US-PGPUB; USPAT; USOCR | OR | ON | 2005/10/04 13:15 |
| S43 | 2 | (gas near (pipe conduit nozzle)) near1 (substrate wafer workpiece) near4 (boat support holder susceptor) | US-PGPUB; USPAT; USOCR | OR | ON | 2005/10/04 13:18 |
| S44 | 1 | "20050039686" | US-PGPUB; USPAT; USOCR | OR | ON | 2005/10/04 18:24 |
| S45 | 892 | (LINGYI NEAR ZHENG).IN. (trung near doan).in. (lyle near breiner).in. (er-xuan near ping).in. (ronald near weimer).in. (david near kubista).in. (kevin near beaman).in. (cem near basceri).in. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/10/04 18:27 |
| S46 | 119 | S45 and (holder near (workpiece substrate wafer)) | US-PGPUB; USPAT; USOCR | OR | ON | 2005/10/04 18:41 |
| S47 | 13816 | (micron near technology).as. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/10/04 18:41 |
| S48 | 3352 | S47 and plasma | US-PGPUB; USPAT; USOCR | OR | ON | 2005/10/04 18:41 |

EAST Search History

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| S49 | 195 | S48 and (holder near (workpiece substrate wafer)) | US-PGPUB; USPAT; USOCR | OR | ON | 2005/10/04 18:42 |
| S50 | 2 | "20040163762" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/05 08:08 |
| S51 | 77 | ("5017404" "4593644" "5433787" "5819683" "5902403" "6022483" "6143078" "6207937" "6277763" "6328803" "6364219" "6402806" "6415736" "6435865" "6663713" "6807971" "6849131" "6666982" "6881295" "6814813" "6770145" "6622104" "6425168" "6402849" "6383300" "6334928" "6294394" "6273954" "6159298" "6113698" "6006694" "5866986" "5769950" "5325020" "4313783").pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/10 11:16 |
| S52 | 7 | "20010012697" "20030037730" "20040238123" "20050217582" "20050016956" "20040089240" "20010050267" | US-PGPUB; USPAT | OR | ON | 2006/03/10 11:20 |
| S53 | 2 | JP-982650-\$.did. JP-6320490-\$.did. JP-10223719-\$.did. JP-4100533-\$. did. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/10 11:22 |
| S54 | 2 | JP-0982650-\$.did. JP-6320490-\$. did. JP-10223719-\$.did. JP-4100533-\$.did. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/10 11:23 |
| S55 | 0 | JP-0982650-\$.did. JP-6320490-\$. did. JP-4100533-\$.did. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/10 12:00 |
| S56 | 89 | 206/832.ccls. | US-PGPUB; USPAT | OR | ON | 2006/03/10 12:02 |
| S57 | 28 | S56 and gas | US-PGPUB; USPAT | OR | ON | 2006/03/10 12:25 |
| S58 | 61 | S56 not S57 | US-PGPUB; USPAT | OR | ON | 2006/03/10 12:31 |

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| S59 | 37 | gas near2 ((substrate wafer) near2 ((support holder) and plural\$3)) | US-PGPUB; USPAT | OR | ON | 2006/03/10 12:33 |
| S60 | 75335 | (substrate wafer) near3 (holder support boat) | US-PGPUB; USPAT | OR | ON | 2006/03/10 13:25 |
| S61 | 868 | (gas near2 (distribut\$3 dispens\$4)) near4 (holder support) | US-PGPUB; USPAT | OR | ON | 2006/03/10 13:27 |
| S62 | 706 | (gas near2 (distribut\$3 dispens\$4)) near3 (holder support) | US-PGPUB; USPAT | OR | ON | 2006/03/10 13:53 |
| S63 | 366 | S62 and ("118"/\$.ccls. 156/345.\$2. ccls. "204"/\$.ccls. "216"/\$.ccls. "219"/\$.ccls. "427"/\$.ccls. "438"/\$. ccls. "315"/\$.ccls. "333"/\$.ccls. "206"/\$.ccls.) | US-PGPUB; USPAT | OR | ON | 2006/03/10 14:08 |
| S64 | 205 | (gas near2 (distribut\$3 dispens\$4)) near3 (boat transport\$5) | US-PGPUB; USPAT | OR | ON | 2006/03/10 14:09 |
| S65 | 2 | "5020476".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/10 14:07 |
| S66 | 1 | S65 and ("118"/\$.ccls. 156/345.\$2. ccls. "204"/\$.ccls. "216"/\$.ccls. "219"/\$.ccls. "427"/\$.ccls. "438"/\$. ccls. "315"/\$.ccls. "333"/\$.ccls. "206"/\$.ccls.) | US-PGPUB; USPAT | OR | ON | 2006/03/10 14:08 |
| S67 | 66 | S64 and (substrate wafer) | US-PGPUB; USPAT | OR | ON | 2006/03/10 17:49 |
| S68 | 1 | "5017404".pn. | US-PGPUB; USPAT | OR | ON | 2006/03/10 17:49 |
| S69 | 4495 | 118/715,728.ccls. | US-PGPUB; USPAT | OR | ON | 2006/08/23 12:16 |
| S70 | 3587 | S69 and @ad<"20030821" | US-PGPUB; USPAT | OR | ON | 2006/08/23 12:17 |
| S71 | 558 | S70 and ((gas near3 (pipe\$2 tub\$3 conduit\$2)) and (plural\$3 near4 (wafer\$2 substrate\$2 support\$2 holder\$2))) | US-PGPUB; USPAT | OR | ON | 2006/08/23 14:02 |
| S72 | 19 | ("4573431" "4593644" "4911638").PN. OR ("5020476"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/08/23 13:00 |
| S73 | 31 | S70 and (wafer near3 (boat carrier support holder)) near6 (gas near3 (pipe\$2 tub\$3 conduit\$2)) and (plural\$3 near4 (wafer\$2 substrate\$2)) | US-PGPUB; USPAT | OR | ON | 2007/02/02 14:38 |

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| S74 | 1 | "4108106".pn. | US-PGPUB; USPAT | OR | ON | 2006/08/23 15:50 |
| S75 | 2 | "4911638".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/23 16:05 |